

#3 12/7/01
FVS

PATENT
8733.036.11

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1c971 U.S. PTO
09/982830
10/22/01

In Re Application of:

Komatsu HIROSHI.

Group Art Unit: 2871

Application No.: To Be Assigned

Examiner: M. TON

Filing Date: October 22, 2001

For: Liquid Crystal Display

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97

Commissioner of Patents
Washington, D.C. 20231

Sir:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The Applicant(s) wish to make of record the references listed on the attached Form PTO-1449. Copies of the listed references were submitted in either Application No. 09/768,241, filed January 25, 2001, Application No. 09/365,634, filed August 3, 1999 or Application No. 08/832,980, filed April 4, 1997, which is the parent application.
- ☐ A check is attached in the amount required under 37 CFR § 1.17(p).

RELATED CASES

- ☒ Attached is a list of applicant's pending applications or issued patents which may be related to the present application. A copy of the patent(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR § 1.17(p).

CERTIFICATION

The undersigned certifies that

- ☐ each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this statement.

PETITION


- ☐ Applicant(s) hereby request consideration of the attached information. A check is attached in the amount of the Petition fee required under 37 CFR § 1.17(i)(1).

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account No. 50-0911. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

LONG ALDRIDGE & NORMAN, LLP

By 
Song K. Jung
Registration No. 35,210

701 Pennsylvania Avenue, N.W.
Sixth Floor, Suite 600
Washington, D.C. 20004
Telephone No: (202) 624-1200
Facsimile No: (202) 624-1298
Date: October 22, 2001

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEAttorney Docket No.
8733.036.10Application No.
Not Yet AssignedLIST OF REFERENCES CITED BY
APPLICANT

(Use Several Sheets if Necessary)

Applicant: **Komatsu HIROSHI**Filing Date
January 25, 2001Group
2871Date: January 24, 2001Jc971 U.S. PTO
09/982830
10/22/01

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,239,346	12/16/80	LLOYD			
	AB	4,726,659	02/1988	CONRAD, et al.			
	AC	5,307,189	04/26/94	NISHIKI, et al.			
	AD	5,321,535	06/14/94	UKAI, et al.			
	AE	5,459,596	10/17/95	UEDA, et al.			
	AF	5,464,669	11/07/95	KANG, et al.			
	AG	5,492,762	02/20/96	HIRAI, et al.			
	AH	5,540,784	07/30/96	RANES			
	AI	5,576,858	11/19/96	UKAI, et al.			
	AJ	5,598,285	01/28/97	KONDO, et al.			

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	TRANSLATION	
				YES	NO
AK	0 368 260	05/1990	EUROPEAN	X	
AL	0 588 568	03/1994	EUROPEAN	X	
AM	0 749 029	12/1996	EUROPEAN	X	
AN	62-78532	04/1987	JAPAN	ABSTRACT	
AO	04-067127	03/1992	JAPAN	ABSTRACT	

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AP	R. Kiefer, et al., <i>In-Plane Switching of Nematic Liquid Crystals</i> , Japan Display '92, pp. 547-550.
AQ	M. Oh-e, et al., <i>Principles and Characteristics of Electro-Optical Behaviour with In-Plane Switching Mode</i> , Asia Display '95, pp. 577-580.
AR	M. Ohta, et al., <i>Development of Super-TFT-LCDs with In-Plane Switching Display Mode</i> , Asia Display '95, pp. 707-710.

Examiner Signature

Date Considered:

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

COPY

U.S. DEPARTMENT OF COMMERCE
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January 25, 2001Group
2871Date: January 24, 2001

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,600,464	02/1997	OHE, et al.			
	AB	5,608,556	03/04/97	KOMA			
	AC	5,646,705	07/08/97	HIGUCHI, et al.			
	AD	5,686,019	11/1997	NAKAMURA			
	AE	5,737,051	04/07/98	KONDO, et al.			
	AF	5,742,369	04/1998	MIHARA, et al.			
	AG	5,745,207	04/1998	ASADA, et al.			
	AH	5,757,455	05/26/98	SUGIYAMA, et al.			
	AI	5,760,856	06/02/98	YANAGAWA, et al.			
	AJ	5,760,857	06/02/98	YANAGAWA, et al.			

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	TRANSLATION	
					YES	NO
	AK	06-273803	09/1994	JAPAN	ABSTRACT	
	AL	07-036058	02/1995	JAPAN	ABSTRACT	
	AM	07-225388	08/1995	JAPAN	ABSTRACT	
	AN	08-062586	03/1996	JAPAN	ABSTRACT	
	AO	09-005763	01/1997	JAPAN	ABSTRACT	

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	S. Matsumoto, <i>Display Characteristics of In-Plane-Switching (IPS) LCDs and a Wide-Viewing-Angle 14.5in. IPS TFT-LCD</i> , Euro Display '96, pp. 445-448.
	AQ	H. Wakemoto, et al., <i>An Advanced In-Plane-Switching Mode TFT-LCD</i> , SID 97 Digest, pp. 929-932.
	AR	Japanese Abstract for JP09-269507, 10/14/1997.

Examiner Signature

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(Use Several Sheets if Necessary)

Applicant: **Komatsu HIROSHI**Filing Date
January 25, 2001Group
2871Date: January 24, 2001

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,786,876	07/28/98	OTA, et al.			
	AB	5,793,459	08/11/98	TOKO			
	AC	5,831,701	11/03/98	MATSUYAMA, et al.			
	AD	5,841,499	11/24/98	BAUR, et al.			
	AE	5,852,485	12/1998	SHIMADA, et al.			
	AF	5,859,682	01/12/99	KIM, et al.			
	AG	5,870,160	02/09/99	YANAGAWA, et al.			
	AH	5,886,762	03/23/99	LEE, et al.			
	AI	5,907,380	05/25/99	LIEN			
	AJ	5,910,271	06/08/99	OHE, et al.			

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	TRANSLATION	
					YES	NO
	AK	09-005793	01/1997	JAPAN	ABSTRACT	
	AL	09-033946	02/1997	JAPAN	ABSTRACT	
	AM	09-043589	02/1997	JAPAN	ABSTRACT	
	AN	09-043590	02/1997	JAPAN	ABSTRACT	
	AO	09-101538	04/1997	JAPAN	ABSTRACT	

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	S.H. Lee, et al., <i>High-Transmittance, Wide-Viewing-Angle Nematic Liquid Crystal Display Controlled L Fringe-Field Switching</i> , Asia Display '98, pp. 371-374.
	AQ	
	AR	

Examiner Signature

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEApplicant: **Komatsu HIROSHI**

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Date: January 24, 2001Filing Date
January 25, 2001Group
2871

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,914,762	06/22/99	LEE, et al.			
	AB	5,946,067	08/31/99	KIM, et al.			
	AC	5,956,111	09/21/99	OHTA, et al.			
	AD	5,959,708	09/28/99	LEE, et al.			
	AE	5,969,782	10/19/99	LEE, et al.			
	AF	5,977,562	11/02/99	HIRAKATA, et al.			
	AG	5,995,186	11/30/99	HIROSHI			
	AH	6,005,650	12/21/99	KIM, et al.			
	AI	6,040,887	03/21/00	MATSUYAMA, et al.			
	AJ						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	TRANSLATION	
					YES	NO
	AK	09-105908	04/1997	JAPAN	ABSTRACT	
	AL	09-105918	04/1997	JAPAN	ABSTRACT	
	AM	09-258269	10/1997	JAPAN	ABSTRACT	
	AN	09-325346	12/1997	JAPAN	ABSTRACT	
	AO	7-38058	02/1995	JAPAN		

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	
	AQ	
	AR	

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	AA						
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	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	TRANSLATION	
				YES	NO
	AK	1994-7581	04/1994	KOREA	
	AL	96-32049	09/1996	KOREA	X
	AM	97-22458	05/1997	KOREA	X
	AN	98-083765	12/1998	KOREA	X
	AO	97/10530	03/1997	PCT	X

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Komatsu HIROSHI

Group Art Unit: 2871

Serial No.: 09/365,634

Examiner: Unknown

Filed: August 3, 1999

For: LIQUIDS CRYSTAL DISPLAY

1c971 U.S. PTO
09/982830
10/22/01

RELATED CASES STATEMENT

COPY

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicant hereby provides a list of pending U.S. applications or issued patents which may be related to the present application.

<u>Examiner's Initial</u>	<u>U.S. Serial Number</u>	<u>Filing Date</u>	<u>Inventor Name</u>	<u>Our Ref.</u>
_____	09/365,634	08/1999	HIROSHI	8733.20031
_____	08/880,068	06/1997	HIROSHI	8733.6642
_____	09/143,624	08/1998	SHIN et al.	8733.6663
_____	09/079,894	05/1998	SEO	8733.6665
_____	09/613,730	07/2000	HIROSHI	8733.20121
_____	09/079,895	05/1998	OH	8733.6660
_____	09/348,704	07/1999	LEE et al.	8733.6967
_____	09/134,405	08/1998	HAM	8733.6833
_____	09/149,746	09/1998	SEO	8733.6867
_____	09/235,205	01/1999	SEO et al.	8733.6901
_____	09/271,153	03/1999	SON et al.	8733.6990

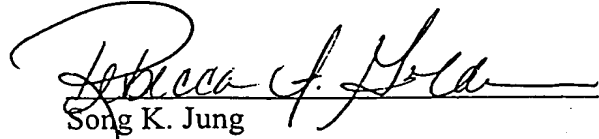
Date Considered: _____

August 3, 2000

Long, Aldridge & Norman LLP
701 Pennsylvania Ave., Sixth Floor
Washington, DC 20004
Telephone No.: (202) 624-125
Facsimile No.: (202) 624-1298

Respectfully submitted,

LONG, ALDRIDGE & NORMAN LLP

A handwritten signature in dark ink, appearing to read "Song K. Jung", written over a horizontal line.

Song K. Jung
Attorney of Record
Registration No.: 35,210

Rebecca A. Goldman
Registration No.: 41,786